NEW

State of North Carolina
Department of Environment and Natural Resources
Division of Water Quality

Animal Waste Management Systems
Request for Certificate of Coverage
Facility Currently Covered by an Expiring NPDES General Permit

On July 1, 2012, the North Carolina NPDES General Permits for Animal Waste Management Systems will expire. Facilities that have been issued Certificates of Coverage to operate under these NPDES General Permits must apply for renewal within 30 days of receipt of this application.

Please do not leave any question unanswered. Please make any necessary corrections to the data below.

1. Facility Number: **19-05**____ and Certificate of Coverage Number: _**NCA 319005**_____
2. Facility Name: __**Gilbert Clark Farm**_____
3. Landowner's name (same as on the Waste Management Plan): _**Gilbert Clark** _____
4. Landowner's mailing address: **690 Oakley Church Road**_____

   City/State: **Bear Creek, NC**_____ Zip: **27207** _____

   Telephone Number (include area code): _**919-742-3818**___**E-mail:** _____
5. **Facility's physical address:** _**690 Oakley Church Road,** _____

   City/State: __ **Bear Creek, NC** _____ **Zip: 27207**_____
6. County where facility is located:_**Chatham**_____
7. Farm Manager's name (If different than the Landowner): _____
8. Farm Manager's telephone number (include area code): _____
9. Integrator's name (if there is not an integrator write "None"): _____
10. Lessee's name (if there is not a lessee write "None"): _____
11. Indicate animal operation type and number:

Swine	**Cattle**	**Dry Poultry**
Wean to Finish _____	Dairy Calf _____	Non Laying Chickens _____
Wean to Feeder _____	Dairy Heifer _____	Laying Chickens _____
Farrow to Finish _____	Milk Cow _____	Turkeys _____
Feeder to Finish _____	Dry Cow _____ *	Other _____
Farrow to Wean _____	Beef Stocker Calf 1675	Pullets _____
Farrow to Feeder _____	Beef Feeder _____	Turkey Poults _____
Boar/Stud _____	Beef Brood Cow _____	
Gilts _____	Other _____	
Other _____		
		Wet Poultry
Horses - Horses _____	Sheep - Sheep _____	Non Laying Pullets _____
Horses - Other _____	Sheep - Other _____	Layers _____

* Has asked for reduced population.

Submit two (2) copies of the most recent Certified Animal Waste Management Plan (CAWMP). The CAWMP must include the following components. Some of these components may not have been required at the time the facility was certified but should be added to the CAWMP for permitting purposes:

- The Waste Utilization Plan (WUP) must include the amount of Plant Available Nitrogen (PAN) produced and utilized by the facility
- The method by which waste is applied to the disposal fields (e.g. irrigation, injection, etc.)
- A map of every field used for land application
- The soil series present on every land application field
- The crops grown on every land application field
- The Realistic Yield Expectation (RYE) for every crop shown in the WUP
- The PAN to be applied to every land application field
- Phosphorous to be applied on every land application field with a "HIGH" PLAT rating.
- The waste application windows for every crop utilized in the WUP
- The required NRCS Standard specifications
- A site schematic
- Emergency Action Plan
- Insect Control Checklist with chosen best management practices noted
- Odor Control Checklist with chosen best management practices noted
- Mortality Control Checklist with the selected method noted. A mass mortality plan must also be included.
- Site-Specific Conservation Practices necessary to prevent runoff of pollutants to waters of the State.
- PLAT results including datasheets for each field.
- Lagoon/storage pond capacity documentation (design, calculations, etc.); please be sure to include any site evaluations, wetland determinations, or hazard classifications that may be applicable to your facility
- Operation and Maintenance Plan

I attest that this application has been reviewed by me and is accurate and complete to the best of my knowledge. I understand that, if all required parts of this application are not completed and that if all required supporting information and attachments are not included, this application package will be returned to me as incomplete. **Note:** In accordance with NC General Statutes 143-215.6A and 143-215.6B, any person who knowingly makes any false statement, representation, or certification in any application may be subject to civil penalties up to $25,000 per violation. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than $10,000 or imprisonment of not more than 5 years, or both for a similar offense.)

Printed Name of Signing Official (Landowner, or if multiple Landowners all landowners should sign. If Landowner is a corporation, signature should be by a principal executive officer of the corporation):

Name: Gilbert Clark Title: Owner

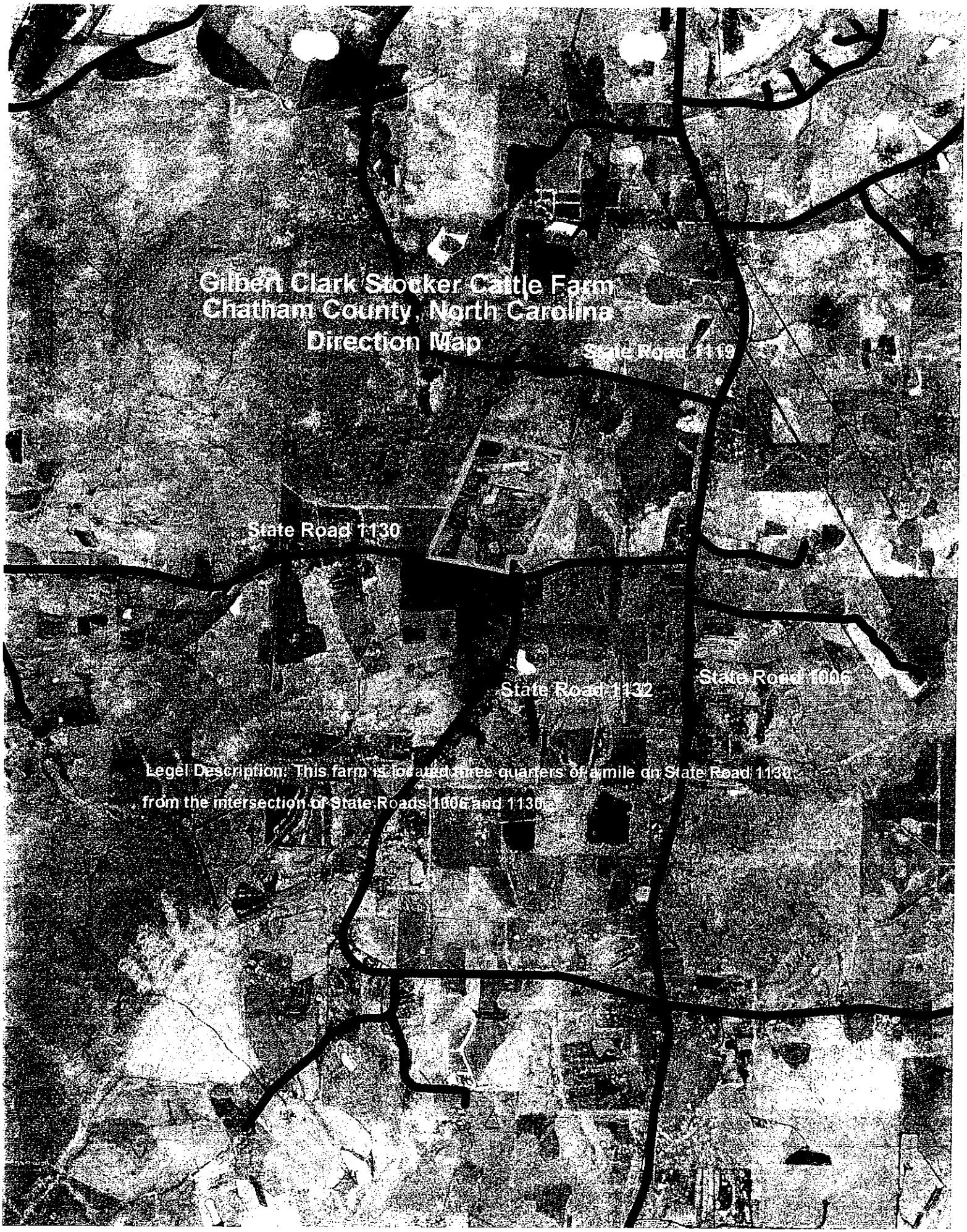
Signature: Gilbert Clark Date: 3/19/12

Name: Gilbert D. CLark Title: Manager

Signature: Gilbert D. Clark Date: 3/19/12

THE COMPLETED APPLICATION SHOULD BE SENT TO THE FOLLOWING ADDRESS:

NCDENR – DWQ Animal Feeding Operations Unit
1636 Mail Service Center
Raleigh, North Carolina 27699-1636
Telephone Number: (919) 807-6300
Fax Number: (919) 807-6354


Gilbert Clark Stocker Cattle Farm
Chatham County, North Carolina
Direction Map
State Road 1119
State Road 1130
State Road 1132
State Road 1006
Legal Description: This farm is located three quarters of a mile on State Road 1130
from the intersection of State Roads 1006 and 1130.

ENVIRONMENTAL EFFECTS FOR CONSERVATION PLANS AND AREAWIDE CONSERVATION PLANS (NRCS-CPA-52)

ECONOMIC CONSIDERATIONS NORTH CAROLINA HELP SHEET

In order to determine the economic effects, consider the following questions when filling out the NRCS-CPA-52. **If you answer NO to any of these questions, further review or explanation may be necessary before proceeding with the recommended conservation system.** When the answer is YES, no further data is needed, and the decision is noted in the planning support file.

LAND USE	YES	NO
• Is the land available for the recommended production?	☑	☐
• Is base acreage for USDA programs adequately maintained?	☑	☐
• Does the proposed system aid participation in USDA programs?	☑	☐

CAPITAL	YES	NO
• Does the producer have the funds or ability to obtain the funds needed to implement the proposed conservation system?	☑	☐
• Are there adequate materials and/or equipment present or obtainable to operate and maintain the system?	☑	☐

LABOR	YES	NO
• Is there adequate labor present or obtainable to operate and maintain the system?	☑	☐

MANAGEMENT	YES	NO
• Does client understand the inputs needed to implement the system and his responsibility in obtaining these inputs?	☑	☐
• Will the client able to maintain the system as implemented?	☑	☐
• Is there adequate management present or obtainable to operate and maintain the system	☑	☐

NRCS-CPA-52, ECONOMIC CONSIDERATIONS, NORTH CAROLINA HELP SHEET,

RISK	YES	NO
• Are there readily available markets for the operations products?	☑	☐
• Are markets adequate to handle the production for the area?	☑	☐
• Is the producer willing to adopt new practices?	☑	☐

PROFITABILITY	YES	NO
• Do the benefits of improving the current operation outweigh the installation and maintenance costs (positive benefit/cost ratio)?	☑	☐
• Will the producer be able to remain financially stabile if the system is implemented?	☑	☐
• Will normal farm/ranch operations sustain the financial viability of the operation?	☑	☐
• Is there a reasonable expectation of long-term profitability for the operation if the system is implemented?	☑	☐

If you answered NO to any question, enter explanations in the Effects Notes section of the NRCS-CPA-52 or at the bottom of this page and attach to the NRCS-CPA-52.

ENVIRONMENTAL EFFECTS FOR CONSERVATION PLANS AND AREAWIDE CONSERVATION PLANS (NRCS-CPA-52)

SOCIAL CONSIDERATIONS
NORTH CAROLINA HELP SHEET

In order to determine the social effects, consider the following questions when filling out the NRCS-CPA-52. **If you answer yes to any of these questions, further review or explanation may be necessary.** When the answer is no, no further data is needed, and the decision is noted in the planning support file.

CLIENT WELL-BEING	YES	NO
• Are farmer attitudes toward certain conservation practices likely to affect the success of the project?	☐	☑
• Will there be a change in the quality of life, lifestyle, attitude, and/or behavior?	☐	☑
• Will social, family, or religious values be affected?	☐	☑
• Are farm residents likely to be affected negatively by the activity?	☐	☑
• Are there typical or unique characteristics of farms that may have relevance to the activity (absentee landowners, land use ethic, etc.)?	☐	☑
• Some characteristics (age, planning horizons, special emphasis groups, resources, etc.) are not considered during planning?	☐	☑
• Will change negatively affect the client's ownership/lease of the land?	☐	☑
• Will client tenure affect installation and management of the conservation system?	☐	☑
• Is time available (absentee or part-time landowner, etc.) for installation and management of the conservation system?	☐	☑

COMMUNITY WELL-BEING	YES	NO
• Are people likely to be adversely affected by the activity?	☐	☑
• Will there be an effect on life, health, and/or safety?	☐	☑
• Local community standards regarding health and safety were not followed?	☐	☑
• Are there historical factors that are likely to be relevant in the proposed activity (changes in land use, farm management techniques, etc.)	☐	☑

COMMUNITY WELL-BEING (con't)	YES	NO
• Are there communities in the study area that would be affected adversely by the proposed activity (loss of recreation, etc.)?	☐	☑
• Are there community organizations, church groups, etc. that would be adversely affected by the proposed activity?	☐	☑
• Are there potential areas of conflict?	☐	☑
• Will community cohesion and/or stability be affected negatively?	☐	☑
• Will this change affect just some individuals and/or groups?	☐	☑
• Will this change create inequity among individuals and/or groups?	☐	☑

ENVIRONMENTAL JUSTICE	YES	NO
• The program, procedure, or activity carried out has disproportionate adverse human health or environmental effects on minority or low income populations?	☐	☑

If you answered yes to any question, enter explanations in the Effects Notes section of the NRCS-CPA-52 or at the bottom of this page and attach to the NRCS-CPA-52.

INVENTOR RESOURCE CONCERNS TO E DDRESSED IN PLAN

Prepared for: Gilbert Clark Farm/Tract: 724

Prepared by: Carl Henry Doty Jr

RESOURCE	CONCERN	FIELDS	PRESENT (√)	RESOURCE THREATS (List others as needed)
SOIL	Erosion		✓	RUSLE (Sheet & Rill) >T
				Ephemeral Gully Erosion
				Classic Gully Erosion
				Streambank Erosion
				Damaging Soil Deposition
				Excessive Wind Erosion
	Quality			Restrictive Layer / Plow Pan / Compaction
				Low Organic Matter
				Improper pH
				Surface Crusting
				Salt Buildup
				Buildup of Toxic Metals
				Pesticide/Chemical Residue Buildup
				Inadequate Nutrient Availability
WATER	Quality			Sedimentation
			✓	Nutrient Runoff from Manure (Point Source)
			✓	Nutrient Runoff/Leaching from Manure Application Areas
				Buildup of Excessive P in Soil
				Pesticide Runoff
	Quantity			Inadequate Water for Livestock
				Inadequate Water for Irrigation / Plant Growth
				Excess Surface / Subsurface Water
AIR	Quality			Dust from Airborne Soil Particles / Smoke
				Potential for Damaging Pesticide Drift
			✓	Odor, Animal Waste Storage
			✓	Odor, Animal Waste Application
PLANTS	Condition			Plant Damage from Animal/Insect Pests
				Invasive, Noxious, or Undesirable Plants
				Plant Damage Due to Soil Contaminant
				Plant Damage from Excessive Traffic
				Plant Damage from Airborne Contaminant
				Reduced Yields from Inadequate Nutrients
				Reduced Yields from Inadequate Water
			✓	Pasture Vegetation Overgrazed
				Woodland Overstocked / Understocked
				Plants Unsuited to Site / Intended Use
				Loss or Degradation of Native Plant Communities

Resource	Concern	Field	Present	Resource Threats (... ers as needed)
ANIMALS	Wildlife & Fisheries			Inadequate Food for Desired Species
				Inadequate Cover for Desired Species
				Inadequate Water for Wildlife
				Excessive Habitat Fragmentation
				Excessive Monoculture (Low Habitat Diversity)
				Barriers to Migration, Natural Movement
				Poor Water Quality: Low Oxygen, High Temperature
	Domestic			Inadequate Forage Available or Nutrition Provided
				Inadequate / Poor Quality Water Supplied
				Inadequate Shading for Grazed Animals
				Unsafe Conditions for Animals

RESOURCE	CONCERN	WHEN INSTALLED (Y/N)	DURING LIFESPAN (Y/N)	THREAT
HUMAN	Economic	N	N	Extensive Capital Required?
		N	N	Extensive or Specialized Labor Required?
		N	N	Very High Operation.& Management Level Required?
		N	N	High Economic Risk Involved?
	Social	Y	Y	System Compatible with Client's Objectives, Well-Being, and Safety?
		Y	Y	System Compatible with Community Well-Being & Environmental Protection?
		Y	Y	Environmental Justice Considered During Planning?

SPECIAL ENVIRONMENTAL CONCERNS — WILL THE SYSTEM TO BE PLANNED:	(Y/N)	FIELDS
Negatively impact any prime or unique farmland or scenic beauty of the area?	N	1-8
Include any earth disturbing activities near pipelines, electrical, or other utilities?	N	1-8
Have a high likelihood of causing a public controversy?	N	1-8
Affect any suspected threatened or endangered species, or their habitat? (+) positive, (0) neutral/none, (-) negative	0	1-8
Result in the drainage, filling, or stumping of any wetlands? *(Will this cause "Swampbusting"? Y/N N ; Landowner advised to contact COE & NCDWQ concerning permit requirements? Y/N N)*	N	1-8
Negatively impact riparian vegetation in areas regulated by state / local law? *(Landowner advised to contact NCDWQ, NCDFR, or other authority concerning BMPs or permit requirements? Y/N N)*	N	1-8
Result in the modification of a stream channel, or fill material being placed in any natural or modified stream channel? *(Owner advised to contact COE & NCDWQ for permit requirements? Y/N N)*	N	1-8
Contain any practices considered as Undertakings (Sect I FOTG)? *(Request for CR Review submitted? Y/N N ; CR survey completed? Y/N N)*	N	1-8
Fall within an area regulated under the Coastal Zone Management Act? *(Owner advised to contact NCDCM for permit requirements? Y/N N)*	N	1-8
Negatively impact water quality and/or visual aesthetics of the Lumber River, the New River, or other Designated Wild & Scenic Rivers?	N	1-8
Result in loss of floodplain capacity?		

✓ To the best of my knowledge, no further environmental analysis is needed.

____ In my opinion, the system to be planned may have negative impacts related to one or more of the listed special environmental concerns. (See attached notes.) The plan for this system will be completed in accordance with NRCS policy.

Carl Henry Duty Jr.
Signature of Certified Conservation Planner

Environmental Specialist
Title

7/13/05
Date

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP) – North Carolina

Certification Sheet

Animal Feeding Operation (AFO) Name:	Gilbert Clark Farm
Owner(s):	Gilbert Clark
Address:	690 Oakley Church Road Bear Creek, NC 27344
Farm/Tract Numbers	Tracts 418, 30730, 724, 734, 99999
County(ies)	Chatham

OVERALL COMPREHENSIVE NUTRIENT MANAGEMENT PLAN APPROVAL

Certified Conservation Planner (CCP): As a CCP in North Carolina, I have reviewed your conservation plan prepared for the farms/tracts listed above, and determined that it meets the technical requirements for a USDA Comprehensive Nutrient Management Plan (CNMP). This Plan includes planned (or existing) practices for the following CNMP components: (1) Manure and Wastewater Handling and Storage, (2) Land Treatment, (3) Land Application of Manure or Organic Products, and (4) information on recommended Record Keeping. This CNMP may also include components that address Feed Management and Other Utilization Options. This CNMP contains all land units specific to this AFO that you own, operate, or have decision-making authority and on which manure or organic by-products will be generated, handled, stored, or applied.

Signature: Carl Henry Outz Jr.	Date: 7/19/05
Name (printed): Carl Henry Outz Jr.	
Title: Certified Conservation Planner	Agency/Org.: District

DESIGN OF CNMP COMPONENTS/PRACTICES

CNMP Manure and Wastewater Storage and Handling: All practices needed for the handling and storage of manure and wastewater either exist or have been designed according to NRCS standards.

Signature: Carl Henry Outz Jr.	Date: 7/13/05
Name (printed): Carl Henry Outz Jr.	
Title: Environmental Specialist	Agency/Org: District

Land Treatment: All practices needed to maintain soil erosion to a sustainable level (on fields planned for manure application) either exist or have been designed according to NRCS standards.

Signature: Carl Henry Outz Jr.	Date: 7/19/05
Name (printed): Carl Henry Outz Jr.	
Title: Environmental Specialist	Agency/Org: District

CNMP Land Application: The nutrient management/waste utilization plan has been developed according to NRCS standards 590, 633, and other applicable standards.

Signature: Carl Henry Outz Jr.	Date: 7/13/05
Name (printed): Carl Henry Outz Jr.	
Title: Environmental Specialist	Agency/Org: District

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP) – North Carolina

Additional Information for Producers

WHAT IS A USDA COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP)?

Your CNMP is a USDA Conservation Plan that addresses the natural resource concerns associated with the management of manure and wastewater from livestock operations. Your CNMP addresses:

Manure and Wastewater Storage and Handling	Your CNMP ensures your operation has adequate collection, storage, and/or treatment of manure and organic by-products that allow land application of wastes in an environmentally sound manner. Manure handling and animal mortality disposal practices that are designed as part of your CNMP will meet applicable NRCS standards.
Land Application of Manure and Wastewater	Your CNMP includes a Nutrient Management/Waste Utilization Plan for all fields where manure or organic by-products are applied to ensure that nitrogen, phosphorus, and other potential pollutants do not cause a water quality problem. Your Nutrient Management Plan meets NRCS's standards 590 and 633 in the Field Office Technical Guide.
Land Treatment for Application Areas	Your CNMP includes erosion control practices on all land where manure or organic by-products are applied to ensure soil loss is kept to a sustainable level. Example practices include conservation tillage, cover crops, contour farming, diversions or terraces, or similar practices. All erosion control practices designed as part of your CNMP will meet NRCS standards in the Field Office Technical Guide.
Record Keeping	Although operation and maintenance records are your responsibility, your CNMP includes record-keeping recommendations associated with each practice in your CNMP. State laws and regulations identify specific record-keeping requirements for regulated or permitted operations.

Your CNMP may also address:

Feed Management	Feed management activities may be used to reduce the nutrient content of manure, reducing land application requirements. Examples include phase feeding, amino acid supplemented low crude protein diets, or the use of low phytin phosphorus grain and enzymes, such as phytase. You should always consult a professional animal nutritionist before making any changes, as feed management activities are not a viable or acceptable alternative for all operations.
Other Utilization Options	There are a number of alternative technologies to conventional manure management being evaluated in North Carolina and across the Nation as environmentally safe alternatives to land application of manure.

NORTH CAROLINA LAWS OR REGULATIONS

USDA does not have a regulatory role for nutrient management. Although CNMPs are only required by USDA for animal operations participating in the Environmental Quality Incentives Program under the 2002 Farm Bill, your CNMP may assist you in meeting federal or state water quality regulations or permit requirements. You should be aware of applicable laws and regulations in North Carolina that regulate the storage, handling, and land application of manure and organic by-products generated on your operation. For additional information on certified Waste Utilization Plans and applicable state laws and regulations, contact the North Carolina Department of Environment and Natural Resources, Division of Water Quality (919) 733-5083 or Division of Soil and Water Conservation (919) 733-2302.

COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP) – North Carolina

Checklist (page 1 of 2)

CCP Initial : CHo

Animal Feeding Operation (AFO) Name:	Gilbert Clark Farm
Owner(s):	Gilbert Clark

The items identified in the Plan column must be included in the Conservation Plan to report a CNMP as planned. The items in the Design column may be completed during the practice design for the specific CNMP components.

Plan	Design	Site information	Remarks
☑		Names, phone numbers, and addresses of the AFO owner(s) and operator(s).	
☑		Location of production site: Legal description, driving instructions from nearest post office, and/or the emergency 911 coordinates.	
☑		Conservation plan map, and farmstead sketch showing the general location of barns, pens, storage structures, etc. Clearly identified field identification numbers or codes.	
☑		Soils map with interpretations appropriate for planned CNMP practices.	
	☑	Existing documentation of present facility components that would aid in evaluating existing conditions, capacities, etc. (i.e., as-built plans, year installed, number of animals a component was originally designed for, etc.).	
Plan	**Design**	**Production Information**	
☑		Animal types, phases of production, and length of confinement for each type at this site (633)	
☑		Animal numbers and average weight for each phase of production on this site (633)	
☑		Calculated manure and wastewater volumes for this site. Amount of manure and wastewater to be land applied (633)	
	☑	Manure storage type, volume, and approximate length of storage.	
Plan	**Design**	**Applicable Permits or Certifications**	
☑		Producer and operators informed of their responsibilities to comply with any applicable Federal, tribal, state, or local permits and/or ordinances, including operator certification, NPDES or other federal/state permits.	
Plan	**Design**	**Land Application Site Information**	
☑		Nutrient management (590)/waste utilization (633) plan prepared in accordance with applicable FOTG standards, including but not limited to:	
☑		▪ Maps of land application area (field identified consistent with plan map) showing landuse and with marked setbacks, buffers, and waterways, and environmentally sensitive areas.	
☑		▪ Third-party receiver agreements (if applicable)	
☑		▪ Landowner names, addresses, for land application fields not owned by producer.	
☑		▪ PLAT and/or LI risk assessments for potential nitrogen or phosphorus transport from fields.	
☑		▪ Crop types, realistic yield targets, and expected nutrient uptake amounts.	

Checklist (page 2 of 2)

CCP Initial: CHO

☑		▪ Application equipment descriptions and methods of application.	
☑		▪ Expected application seasons and estimated days of application per season.	
☑		▪ Estimated application amounts per acre (volume in gallons or tons per acre, and pounds of plant available nitrogen, phosphorus as P205, and potassium as K20 per acre).	
☑		▪ Estimate of acres needed to apply manure generated on this site, respecting any guidelines published for nitrogen or phosphorus soil loading limits.	
Plan	**Design**	**Land Treatment Site Information**	
☑		Practices existing or planned to achieve soil loss tolerance on land application area (i.e., residue management, cropping rotation, diversions).	
☑		RUSLE Worksheet	
☑		NC-CPA-52 Environmental Assessment	
	☑	Practice designs/specifications for erosion control practices per applicable FOTG standards.	
Plan	**Design**	**Manure & Wastewater Storage and Handling**	
	☑	Practice designs/specifications for manure and wastewater storage, treatment, and handling practices per applicable FOTG standards, including emergency action plans (633).	
Plan	**Design**	**Actual Activity Records**	
☑		Producer informed of record-keeping responsibilities according to 590 and 633 standards, and applicable state regulations on the storage, transport, transfer, testing, and application of manure. Including but not limited to:	
☑		▪ Soil and manure test reports.	
☑		▪ Applied rates, methods of application, and timing (month and year) of nutrients applied (include all sources of nutrients-manure, commercial fertilizers, etc.).	
☑		▪ Current and/or planned crop rotation.	
☑		▪ Weather conditions during nutrient application (optional).	
☐		▪ General soil moisture condition at time of application [i.e., saturated, wet, moist, dry] (optional).	
☐		▪ Actual crop and yield harvest from manure application sites if used in lieu of RYEs.	Computer generated RYE used.
☑		▪ Record of internal inspections for manure system components.	IN swine office on farm office
☑		▪ Record of any spill events.	
☐		▪ Changes or modifications to CNMP	NA first CNMP
Plan	**Design**	**Mortality Disposal**	
☑		Practices planned for morality disposal.	
	☑	Design specifications and equipment used to implement the disposal plan.	NA rendering Co. used for mortality
Plan	**Design**	**Operation and Maintenance**	
	☑	Detailed operation and maintenance procedures for the conservation system, holding facility, etc., contained in the CNMP. This would include procedures such as calibration of land application equipment, storage facility emptying schedule, soil and manure sampling techniques, etc.	

Animal Waste Management Plan Certification

NEW

(Please type or print all information that does not require a signature)

Existing or New or Expanded (please circle one)

General Information: **Permit No:** _____

Name of Farm: **Gilbert Clark Farm** Facility No: **19 -- 05**

Owner(s) Name: **Gilbert Clark** Phone No: **919-742-3818**

Mailing Address: **690 Oakley Church Road, Bear Creek, NC 27207**

Farm Location: County Farm is located in: **Chatham**

Latitude and Longitude: **35 40 43 / 79 29 05** Integrator: _____

Please attach a copy of a county road map with location identified and describe below (Be specific: road names, directions, milepost, etc.): **Approxiamately 3 miles south of Siler City on State Road 1006, turn right onto Oakley Church Road 1130. This farm is located 1 mile on the right side of State Road 1130.**

Operation Description:

Type of Swine	*No. of Animals*	*Type of Poultry*	*No. of Animals*	*Type of Dairy*	*No. of Animals*
o Wean to Feeder		o Layer		o Milking	
o Feeder to Finish		o Non-Layer		o Dry	
o Farrow to Wean		*Type of Beef*	*No. of Animals*	o Heifers	
o Farrow to Feeder		o Brood		o Calves	
o Farrow to Finish		o Feeders			
o Gilts		o Stockers	1675		
o Boars		*Other Type of Livestock:*		*Number of Animals:*	

Expanding Operation Only

Previous Design Capacity: NA *Additional Design Capacity: NA* *Total Design Capacity: NA*

Acreage Available for Application: **157.14** Required Acreage: **157.14**

Number of waste structures: **NA** Total Capacity: **NA** Cubic Feet (ft^3)

Are subsurface drains present on the farm: **YES** or **NO** (please circle one)

If YES: are subsurface drains present in the area of the waste structures (please circle one or both as applicable)

****

Owner / Manager Agreement

I (we) verify that all the above information is correct and will be updated upon changing. I (we) understand the operation and maintenance procedures established in the approved animal waste management plan for the farm named above and will implement these procedures. I (we) know that any expansion to the existing design capacity of the waste treatment and storage system or construction of new facilities will require a permit application and a new certification to be submitted to the Division of Water Quality (DWQ) and permit approval received before the new animals are stocked. I (we) understand that there must be no discharge of animal waste from the storage system to surface waters of the state unless specifically allowed under a permit from DWQ and there must not be run-off from the application of animal waste. I (we) understand that run-off of pollutants from lounging and heavy use areas must be minimized using technical standards developed by the USDA-Natural Resources Conservation Service (NRCS). The approved plan will be filed at the farm and at the DWQ Regional Office and the office of the local Soil and Water Conservation District (SWCD). I (we) know that any modification must be approved by a technical specialist and submitted to the DWQ Regional Office and local SWCD and required approvals received from DWQ prior to implementation. A change in farm ownership requires a permit application to be sent to DWQ along with a new certification (if the approved plan is changed).

Name of Land Owner: Gilbert Clark

Signature: Gilbert Clark **Date:** 3/19/12

Name of Manager (if different from owner) **Gilbert D. Clark**

Signature: Doug Clark **Date:** 3/19/12

Technical Specialist Certification

I. As a technical specialist designated by the North Carolina Soil and Water Conservation Commission pursuant to 15A NCAC 6H .0104, I certify that the animal waste management system for the farm named above has an animal waste management plan that meets or exceeds standards and specifications of the Division of Water Quality as specified in 15A NCAC 2T .1300 (formerly 2H .0217) and the USDA-Natural Resources Conservation Service and/or the North Carolina Soil and Water Conservation Commission pursuant to 15A NCAC 2T .1300 (formerly 2H .0217) and 15A NCAC 6F .0101-.0105. The following elements are included in the plan as applicable. While each category designates a technical specialist who may sign each certification (SD, SI, WUP, RC, I), the technical specialist should only certify parts for which they are technically competent.

II. Certification of Design

A) Collection, Storage, Treatment System

Check the appropriate box

o **Existing facility without retrofit (SD or WUP)**
Storage volume is adequate for operation capacity; storage capability consistent with waste utilization requirements.

✓ **New, expanded or retrofitted facility (SD)**
Animal waste storage and treatment structures, such as but not limited to collection systems, lagoons and ponds, have been designed to meet or exceed the minimum standards and specifications.

Name of Technical Specialist (Please Print): Mike Sturdivant

Affiliation NRCS / USDA Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-2244 Ext. 3

Signature: Mike Sturdivant Date: 3/22/07

B) Land Application Site (WUP)

The plan provides for minimum separations (buffers); adequate amount of land for waste utilization; chosen crop is suitable for waste management; and the hydraulic and nutrient loading ratesare appropriate for the site and receiving crop.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil + Water Date Work Completed: 3/22/07

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240

Signature: Carl Henry Outz Jr. Date: 3/22/07
Mike Sturdivant

C) Runoff Controls from Exterior Lots

Check the appropriate box

o **Facility without exterior lots (SD or WUP or RC)**
This facility does not contain any exterior lots.

✓ **Facility with exterior lots (RC)**
Methods to minimize the run off of pollutants from lounging and heavy use areas have been designed in accordance with technical standards developed by NRCS.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil + Water Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240

Signature: Carl Henry Outz Jr. Date: 3/22/07
Mike Sturdivant

D). Application and Handling Equipment

Check the appropriate box

X Existing or expanding facility with existing waste application equipment (WUP or I)
Animal waste application equipment specified in the plan has been either field calibrated or evaluated in accordance with existing design charts and tables and is able to apply waste as necessary to accommodate the waste management plan: (existing application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates, a schedule for timing of applications has been established; required buffers can be maintained and calibration and adjustment guidanceare contained as part of the plan).

o New, expanded, or existing facility without existing waste application equipment for spray irrigation. (I)
Animal waste application equipment specified in the plan has been designed to apply waste as necessary to accommodate the waste management plan; (proposed application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates; a schedule for timing of applications has been established; required buffers can be maintained; calibration and adjustment guidance are contained as part of the plan).

o New, expanded, or existing facility without existing waste application equipment for land spreading not using spray irrigation. (WUP or I)
Animal waste application equipment specified in the plan has been selected to apply waste as necessary to accommodate the waste management plan; (proposed application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates; a schedule for timing of applications has been established; required buffers can be maintained; calibration and adjustment guidance are contained as part of the plan).

Name of Technical Specialist (Please Print): Carl Henry Outz Jr, Mike Stundivant
Affiliation Chatham Soil + Water Date Work Completed: 3/22/07
Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240
Signature: Carl Henry Outz Jr. Mike Stundivant Date: 3/22/07

E) Odor Control, Insect Control, Mortality Management and Emergency Action Plan (SD, SI, WUP, RC or I)

The waste management plan for this facility includes a Waste Management Odor Control Checklist, an Insect Control Checklist, a Mortality Management Checklist and an Emergency Action Plan. Sources of both odors and insects have been evaluated with respect to this site and Best Management Practices to Minimize Odors and Best Management Practices to Control Insects have been selected and included in the waste management plan. Both the Mortality Management Plan and the Emergency Action Plan are complete and can be implemented by this facility.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr, Mike Stundivant
Affiliation Chatham Soil + Water Date Work Completed:
Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240
Signature: Carl Henry Outz Jr. Mike Stundivant Date: 3/22/07

F) Written Notice of New or Expanding Swine Farm

The following signature block is only to be used for new or expanding swine farms that begin construction after June 21, 1996. If the facility was built before June 21, 1996, when was it constructed or last expanded _____.

I (we) certify that I (we) have attempted to contact by certified mail all adjoining property owners andall property owners who own property located across a public road, street, or highway from this new or expanding swine farm. The notice was in compliance with the requirements of NCGS 106-805. A copy of the notice and a list of the property owners notifed are attached.

Name of Land Owner: N/A

Signature: _____ **Date:** _____

Name of Manager (if different from owner): _____

Signature: _____ **Date:** _____

III. Certification of Installation

A) Collection, Storage, Treatment Installation

New, expanded or retrofitted facility (SI)

Animal waste storage and treatment structures, such as but not limited to lagoons and ponds, have been installed in accordance with the approved plan to meet or exceed the minimum standards and specifications.

For existing facilities without retrofits, no certification is necessary.

Name of Technical Specialist (Please Print): Mike Sturdivant

Affiliation NRCS / USDA Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-2244 Ext. 3

Signature: Mike Sturdivant Date: 3/22/07

B) Land Application Site (WUP)

The cropping system is in place on all land as specified in the animal waste management plan.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil + Water Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8340

Signature: Carl Henry Outz Jr. Mk Sturdivant Date: 3/22/07

C) Runoff Controls from Exterior Lots (RC)

Facility with exterior lots

Methods to minimize the run off of pollutants from lounging and heavy use areas have been installed as specified in the plan.

For facilities without exterior lots, no certification is necessary.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil & Water Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: _____

Signature: Carl Henry Outz Jr. Mk Sturdivant Date: 3/22/07

D) Application and Handling Equipment Installation (WUP or I)

X Animal waste application and handling equipment specified in the plan is on site and ready for use; calibration and adjustment materials have been provided to the owners and are contained as part of the plan.

o Animal waste application and handling equipment specified in the plan has not been installed but the owner has proposed leasing or third party application and has provided a signed contract; equipment specified in the contract agrees with the requirements of the plan; required buffers can be maintained; calibration and adjustment guidance have been provided to the owners and are contained as part of the plan.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil & Water Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240

Signature: Carl Henry Outz Jr. Mk Sturdivant Date: 3/22/07

E) Odor Control, Insect Control and Mortality Management (SD, SI, WUP, RC or I)

Methods to control odors and insects as specified in the Plan have been installed and are operational. The mortality management system as specified in the Plan has also been installed and is operational.

Name of Technical Specialist (Please Print): Carl Henry Outz Jr., Mike Sturdivant

Affiliation Chatham Soil + Water Date Work Completed: _____

Address (Agency): P.O. Box 309 Pittsboro, NC 27312 Phone No.: 919-542-8240

Signature: Carl Henry Outz Jr. Date: 3/22/07

MS Sturdivant

Please return the completed form to the Division of Water Quality at the following address:

Department of Environment and Natural Resources
Division of Water Quality
Animal Feeding Operations Unit
1636 Mail Service Center
Raleigh, NC 27699-1636

Please also remember to submit a copy of this form along with the complete Animal Waste Management Plan to the DWQ Regional Office and the local Soil and Water Conservation District Office and to keep a copy in your files with your Animal Waste Management Plan.

Michael F. Easley, Governor

William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Coleen H. Sullins, Director
Division of Water Quality

August 31, 2007

Gilbert Clark
Gilbert Clark Farm
690 Oakley Church Road
Bear Creek, NC 27207

Subject: Certificate of Coverage No. NCA319005
Gilbert Clark Farm
Animal Waste Management System
Chatham County

Dear Mr. Clark:

In accordance with your application received on January 10, 2007, additional information received March 26, 2007, and updated application received June 7, 2007, we are hereby forwarding to you this Certificate of Coverage (COC) issued to Gilbert Clark, authorizing the expansion and continued operation of the subject animal waste management system in accordance with NPDES General Permit NCA300000.

This approval shall consist of the operation of this system including, but not limited to, the management and land application of animal waste as specified in the facility's Certified Animal Waste Management Plan (CAWMP) for the Gilbert Clark Farm, located in Chatham County, with an animal capacity of no greater than the following cattle annual averages:

Dairy Calf: 0	~~Dry Cow: 0~~ 0	Beef Feeder: 0
Dairy Heifer: 0	Beef Stocker Calf: **1800**	Beef Brood Cow: 0
Milk Cow: 0		

The COC shall be effective from the date of issuance until June 30, 2012 and replaces the State COC issued to this facility with an expiration date of October 1, 2009. Pursuant to this COC, you are authorized and required to operate the system in conformity with the conditions and limitations as specified in the General Permit, the facility's CAWMP, and this COC. An adequate system for collecting and maintaining the required monitoring data and operational information must be established for this facility. Any increase in waste production greater than the certified design capacity or increase in number of animals authorized by this COC (as provided above) will require a modification to the CAWMP and this COC and must be completed prior to actual increase in either wastewater flow or number of animals.

Please carefully read this COC and the enclosed General Permit. This General Permit contains many new requirements than your previous State General Permit. Enclosed for your convenience is a package containing the new and revised forms used for record keeping and reporting. Please pay careful attention to the record keeping and monitoring conditions in this permit. The Animal Facility Annual Certification Form must be completed and returned to the Division of Water Quality by no later than March 1st of each year.

If your Waste Utilization Plan has been developed based on site-specific information, careful evaluation of future samples is necessary. Should your records show that the current Waste Utilization Plan is inaccurate you will need to have a new Waste Utilization Plan developed.

Aquifer Protection Section
Internet: www.ncwaterquality.org

1636 Mail Service Center
Location: 2728 Capital Boulevard

Raleigh, NC 27699-1636
Raleigh, NC 27604

Telephone: (919) 733-3221
Fax 1: (919) 715-0588
Fax 2: (919) 715-6048
Customer Service: (877) 623-6748

The issuance of this COC does not excuse the Permittee from the obligation to comply with all applicable laws, rules, standards, and ordinances (local, state, and federal), nor does issuance of a COC to operate under this permit convey any property rights in either real or personal property.

Upon abandonment or depopulation for a period of four years or more, the Permittee must submit documentation to the Division demonstrating that all current NRCS standards are met prior to restocking of the facility.

Per 15A NCAC 02T .0111(c) a compliance boundary is provided for the facility and no new water supply wells shall be constructed within the compliance boundary. Per NRCS standards a 100-foot separation shall be maintained between water supply wells and any lagoon, storage pond, or any wetted area of a spray field.

Per 15A NCAC 02T .1306, any containment basin, such as a lagoon or waste storage structure, shall continue to be subject to the conditions and requirements of the facility's permit until closed to NRCS standards and the permit is rescinded by the Division.

Please be advised that any violation of the terms and conditions specified in this COC, the General Permit or the CAWMP may result in the revocation of this COC, or penalties in accordance with NCGS 143-215.6A through 143-215.6C including civil penalties, criminal penalties, and injunctive relief.

If you wish to continue the activity permitted under the General Permit after the expiration date of the General Permit, an application for renewal must be filed at least 180 days prior to expiration.

This COC is not automatically transferable. A name/ownership change application must be submitted to the Division prior to a name change or change in ownership.

If any parts, requirements, or limitations contained in this COC are unacceptable, you have the right to apply for an individual permit by contacting the staff member listed below for information on this process. Unless such a request is made within 30 days, this COC shall be final and binding.

This facility is located in a county covered by our Raleigh Regional Office. The Regional Office Aquifer Protection staff may be reached at (919) 791-4200. If you need additional information concerning this COC or the General Permit, please contact the Animal Feeding Operations Unit staff at (919) 733-3221.

Sincerely,

for Coleen H. Sullins

Enclosures (General Permit NCA300000, Record Keeping and Reporting Package)

cc: (Certificate of Coverage only for all cc's)
Chatham County Health Department
Chatham County Soil and Water Conservation District
Raleigh Regional Office, Aquifer Protection Section
AFO Unit Central Files
Permit File NCA319005

NEW

Nutrient Management Plan For Animal Waste Utilization

03-15-2012

This plan has been prepared for:

Gilbert Clark Stocker Cattle Farm
Gilbert Clark
690 Oakley Church Road
Siler City, NC 27344
919-742-3818

This plan has been developed by:

Carl Henry Outz Jr.
Chatham Soil and Water Conservation Dist
P. O. Box 309
Pittsboro, NC 27312
919-545-8353

Carl Henry Outz Jr.
Developer Signature

Type of Plan: Nutrient Management with Both Manure and Fertilizer

Owner/Manager/Producer Agreement

I (we) understand and agree to the specifications and the operation and maintenance procedures established in this nutrient management plan which includes an animal waste utilization plan for the farm named above. I have read and understand the Required Specifications concerning animal waste management that are included with this plan.

[signature] — Signature (owner) — 3/19/12 — Date

[signature] — Signature (manager or producer) — 3/19/12 — Date

This plan meets the minimum standards and specifications of the U.S. Department of Agriculture - Natural Resources Conservation Service or the standard of practices adopted by the Soil and Water Conservation Commission.

Plan Approved By: Carl Henry Outz Jr. — Technical Specialist Signature — 3/19/12 — Date

NEW

Nutrients applied in accordance with this plan will be supplied from the following source(s):

Commercial Fertilizer is included in this plan.

S55	Beef (Stocker) Unpaved Feedlot Manure waste generated 2,512.50 tons/year by a 1,675 animal Beef (Stocker) Unpaved Feedlot Manure operation.				
Estimated Pounds of Plant Available Nitrogen Generated per Year					
Broadcast	30050				
Incorporated	36582				
Injected	N/A				
Irrigated	N/A				
	Max. Avail. PAN (lbs) *	Actual PAN Applied (lbs)	PAN Surplus/ Deficit (lbs)	Actual Quantity Applied (Tons)	Surplus/Deficit (Tons)
Year 1	30,050	30441	-391	2,775.39	-262.89

Note: In source ID, S means standard source. U means user defined source.

* Max. Available PAN is calculated on the basis of the actual application method(s) identified in the plan for this source.

NGW

Narrative

Cattle numbers on my farm vary weekly according to the market. Cattle numbers vary according to cattle weight. The cattle weights received on this farm are approximately 250 to 400 pounds. When the cattle are sold and leaving the farm, approximate weights are 400-600 pounds. Maximum cattle number contained on this farm is 1675.

1. The feed bunks will need to be scraped once per week to reduce nutrient loading in diversions, level spreaders and buffer strips.

2. Livestock has been excluded from buffered areas. This fencing will need to be maintained for exclusion purposes.

3. When mowing vegetation in buffer strips, never mow vegetation below six inches in height, the six inch height of the vegetation must be maintained for buffer strips to adequately filter nutrients from runoff.

4. Third party contractors removing cattle manure from this operation are listed below. The third pary contractor's address and telephone number are listed as follows:

P & L Bark Company
Route 4, Box 281 A
Pageland, South Carolina 29728
Telephone number (803) 672-6479

Owen Teaque
Jess Hackett Road
Climax, NC 27233
Telephone number (336)685-4563

Dewey Hackett
Oak Valley Farm
1010 Oakley Church Road
Bear Creek, NC 27207
Telephone number (336)621-4743

Johnnie Beal
3720 Silk Hope Road
Siler City, NC 27344
Telephone (919)742-5549

Gerald Phillips
1520 Siler City Glendon Road
Siler City, NC 27344
Telephone (919)742-2368

Camp Oldham
2973 US 15-501 North

NEW

Narrative

Pittsboro, NC 27312
Telephone (919)545-9739

Shannon Johnson
939 Edwards Hill Church Road
Siler City, NC 27344
Telephone (919)837-8778

Jimmy Brooks
1165 Old Plank Road
Siler City, NC 27344
Telephone (919)742-4374

Sam Talley
1762 Randy Smith Road
Siler City, NC 27344
Telephone (919)663-1667

Asheboro Tie Yards
Randy D. Lawson
205 Hani Town Road
Bear Creek, NC 27207
Telephone (919)837-2822

Robert L. Bradsher
Cameron, NC 28326
Telephone (919)872-5174

5. Although P and L Bark Company removes all the stocker cattle manure from this farm, a plan has been written to include acreage that Mr. Clark tends. This provides Mr. Clark with the option to land apply cattle manure to these fields if he every needs the nutrients in his farming operation. When Mr. Clark land applies manure on his farm, he uses a manure spreader to apply the waste. Application method is by broadcasting manure on the soil surface. All manure is land applied by third party contractors. This manure is trucked away from the farm.

6. Areas have been identified on the conservation plan map showing temporary manure stockpiling sites. These areas are approved for stockpiling of stocker cattle manure. Conservation practices have been installed to minimize runoff from these areas.

7. General maintenance will be permitted in the feedlots. This maintenance may include but is not limited to, filing holes, repairing lots and fence, regrading lots areas, manure removal, etc.

8. Estimated application seasons, amounts per acre and acres needed to apply Clark Farm's animal waste are provided within the nutrient management plan.

NEW

Narrative

9. Recommendations are contained within the nutrient management plan as to the soil moisture content required when land application events take place.

10. Buffers shown on tract maps. Buffer acreage is as follows:
1 - .39 acres
5 - .1 acres
6 - 1.9 acres
7 - 1.0 acres
8 - .9 acres

Tract 99999
2 - .35 acres

T-30730

Waste Utilization Agreement

(Needed only if additional land has to be leased, etc.)

I, Willis Wrenn hereby give Gilbert Clark permission to apply waste from his Waste Utilization System on 53 acres of my land for the duration of the time shown below. The field(s) on which waste can be applied are shown on the attached map.

I understand that this waste contains nitrogen, phosphorus, potassium and trace elements, and when properly applied should not harm my land or crops. I also understand that the use of animal manure will reduce my need for commercial fertilizer.

Landowner: Willis Wrenn Date: 4/12/07

Term of Agreement : Indefinitely to _____

(Minimum Ten Years on Cost-Shared Items)

T-734

Waste Utilization Agreement

(Needed only if additional land has to be leased, etc.)

I, Callie P. Dark hereby give Gilbert Clark permission to apply waste from his Waste Utilization System on 9.29 acres of my land for the duration of the time shown below. The field(s) on which waste can be applied are shown on the attached map.

I understand that this waste contains nitrogen, phosphorus, potassium and trace elements, and when properly applied should not harm my land or crops. I also understand that the use of animal manure will reduce my need for commercial fertilizer.

Landowner: Callie P Dark Date: 4/12/07

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

T-418

Waste Utilization Agreement

(Needed only if additional land has to be leased, etc.)

I, Woodrow M. Ingle hereby give Gilbert Clark permission to apply waste from his Waste Utilization System on 25.72 acres of my land for the duration of the time shown below. The field(s) on which waste can be applied are shown on the attached map.

I understand that this waste contains nitrogen, phosphorus, potassium and trace elements, and when properly applied should not harm my land or crops. I also understand that the use of animal manure will reduce my need for commercial fertilizer.

Landowner: Woodrow M Ingle Date: 4/12/07

Term of Agreement : Indefinitely to _____

(Minimum Ten Years on Cost-Shared Items)

Waste Utilization - Third Party Receiver Agreement

I, R.D. Lawson hereby agree to apply waste generated by Gilbert Clark Farm in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: _____ Date: 4-16-07

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

T-99999

Waste Utilization Agreement

(Needed only if additional land has to be leased, etc.)

I, Dewey hereby give Gilbert Clark permission to apply waste from his Waste Utilization System on 18.65 acres of my land for the duration of the time shown below. The field(s) on which waste can be applied are shown on the attached map.

I understand that this waste contains nitrogen, phosphorus, potassium and trace elements, and when properly applied should not harm my land or crops. I also understand that the use of animal manure will reduce my need for commercial fertilizer.

Landowner: Dewey Hatcher Date: 4/24/07

Term of Agreement : Indefinitely to _____

(Minimum Ten Years on Cost-Shared Items)

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Gerald Phillips hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: Gerald Phillips Date: 7/5/05

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

Waste Utilization - Third Party Receiver Agreement

I, R. J. Bradshaw hereby agree to apply waste generated by Gilbert Clark in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: R. J. Bradshaw Date: 4/24/07

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Owen Teague hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: Owen Teague Date: 7-8-05

Term of Agreement: Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Camp Oldham hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: _____ Date: 7/5/05

Term of Agreement: Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Dewey Hackett hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: Dewey L. Hackett Date: 7/5/05

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Johnnie Beal hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: Johnnie Beal Date: 7/5/05

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
~~Notary~~

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Sam Talley hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: _____ Date: 7/6/05

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

EXHIBIT C

Waste Utilization - Third Party Receiver Agreement

I, Shannon Johnson hereby agree to apply waste generated by Clark Farms in a manner that meets the Waste Utilization Standard (633), or use an alternative waste utilization system that has been accepted in writing by the Division of Environmental Management.

Third Party Receiver: Shannon Johnson Date: 7/5/05

Term of Agreement : Indefinitely to _____
(Minimum Ten Years on Cost-Shared Items)

_____
Notary

Date: 4/17/2007

Customer(s): L GILBERT CLARK
District: CHATHAM SOIL & WATER CONSERVATION DISTRICT

Field Office: PITTSBORO SERVICE CENTER
Agency: USDA Service Center
Assisted By: Carl Outz

Legend

- Consplan
- Roads
- Streams
- practice_instance_point
- practice_instance_polyline
- practice_instance_polygon
- land_unit
- Water bodies
- FSA_CLU

270 0 270 540 810 1,080 Feet

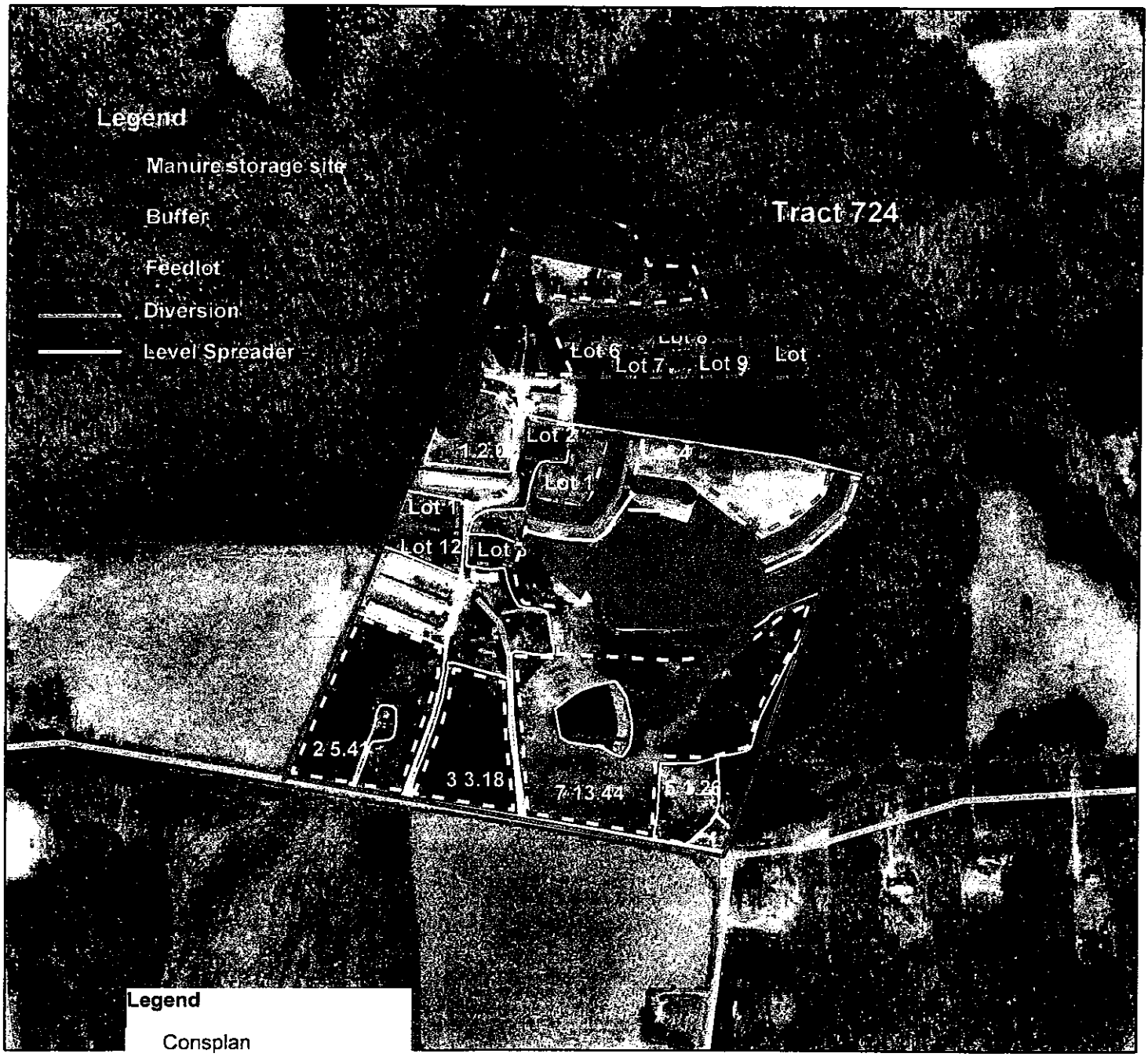
N

Gilbert Clark Stock Cattle Farm
Chatham County, North Carolina
Tract - 418

Date: 4/17/2007

Customer(s): L GILBERT CLARK
District: CHATHAM SOIL & WATER CONSERVATION DISTRICT

Field Office: PITTSBORO SERVICE CENTER
Agency: USDA Service Center
Assisted By: Carl Outz



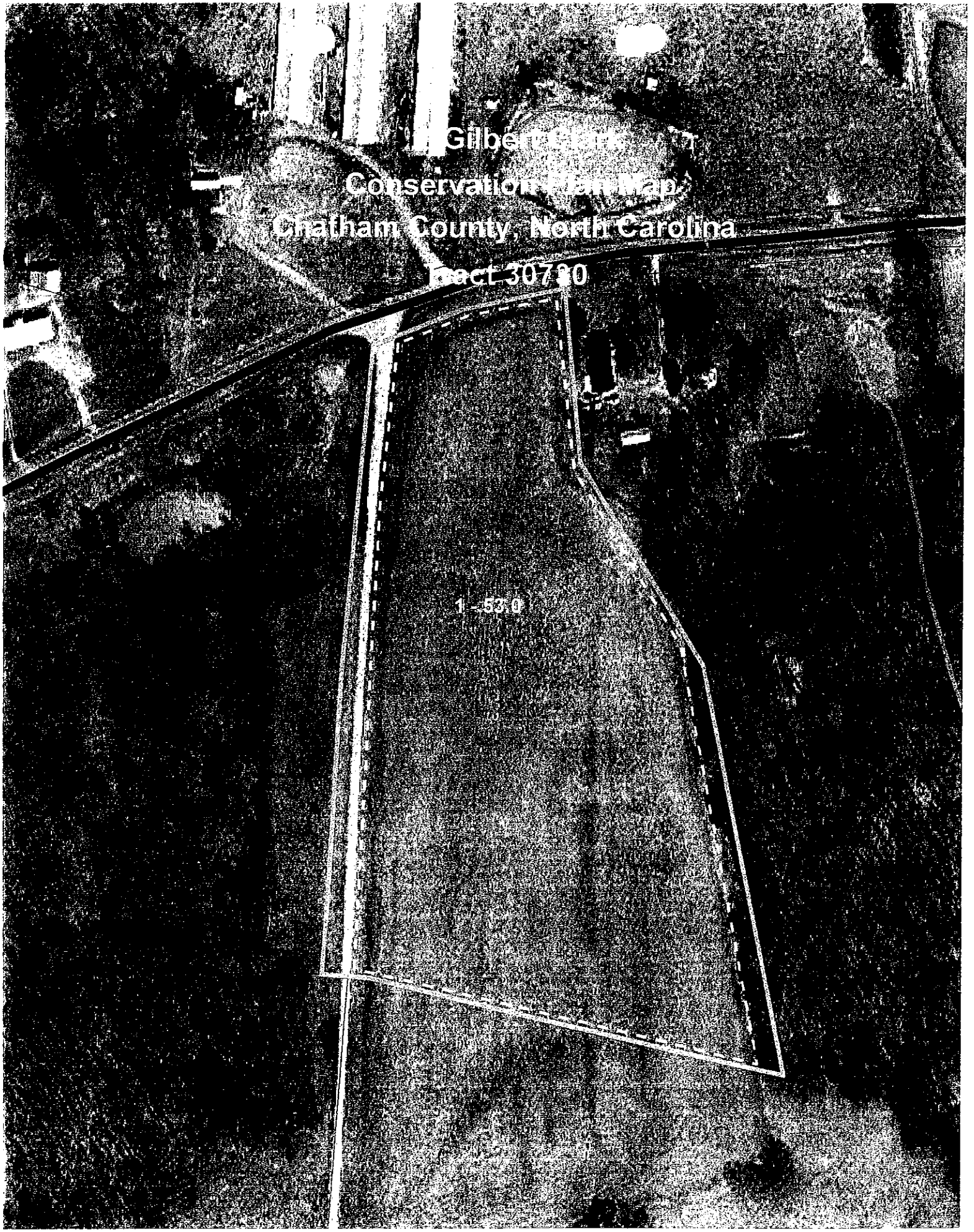
Legend

- Consplan
- Roads
- Streams
- practice_instance_point
- practice_instance_polyline
- practice_instance_polygon
- land_unit
- Water bodies
- FSA_CLU

270 0 270 540 810 1,080
Feet

N


State Road 1124


Gilbert
Conservation Plan Map
Chatham County, North Carolina
Tract 30780
1 - 53.0

Date: 4/17/2007

Customer(s): L GILBERT CLARK
District: CHATHAM SOIL & WATER CONSERVATION DISTRICT

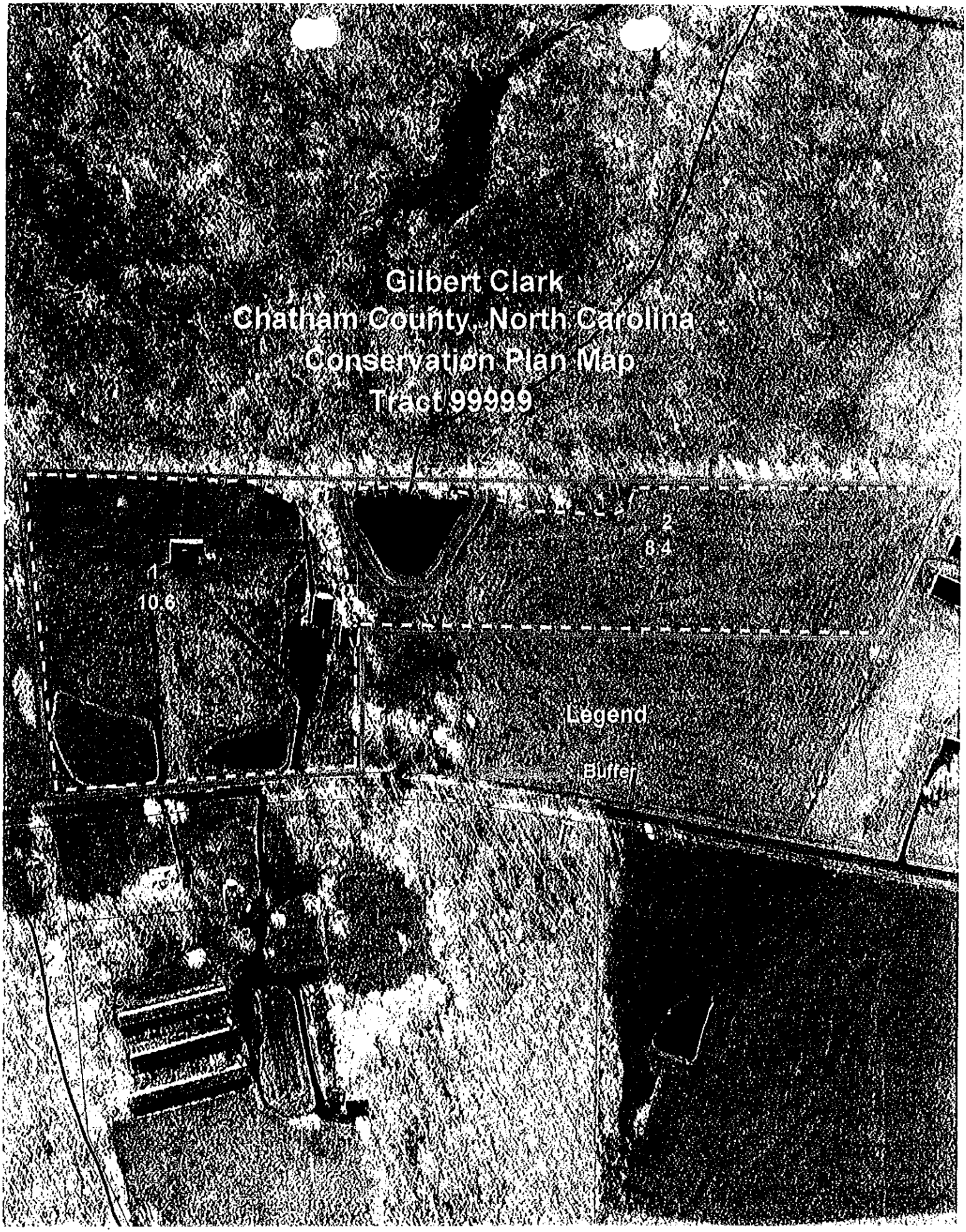
Field Office: PITTSBORO SERVICE CENTER
Agency: USDA Service Center
Assisted By: Carl Outz

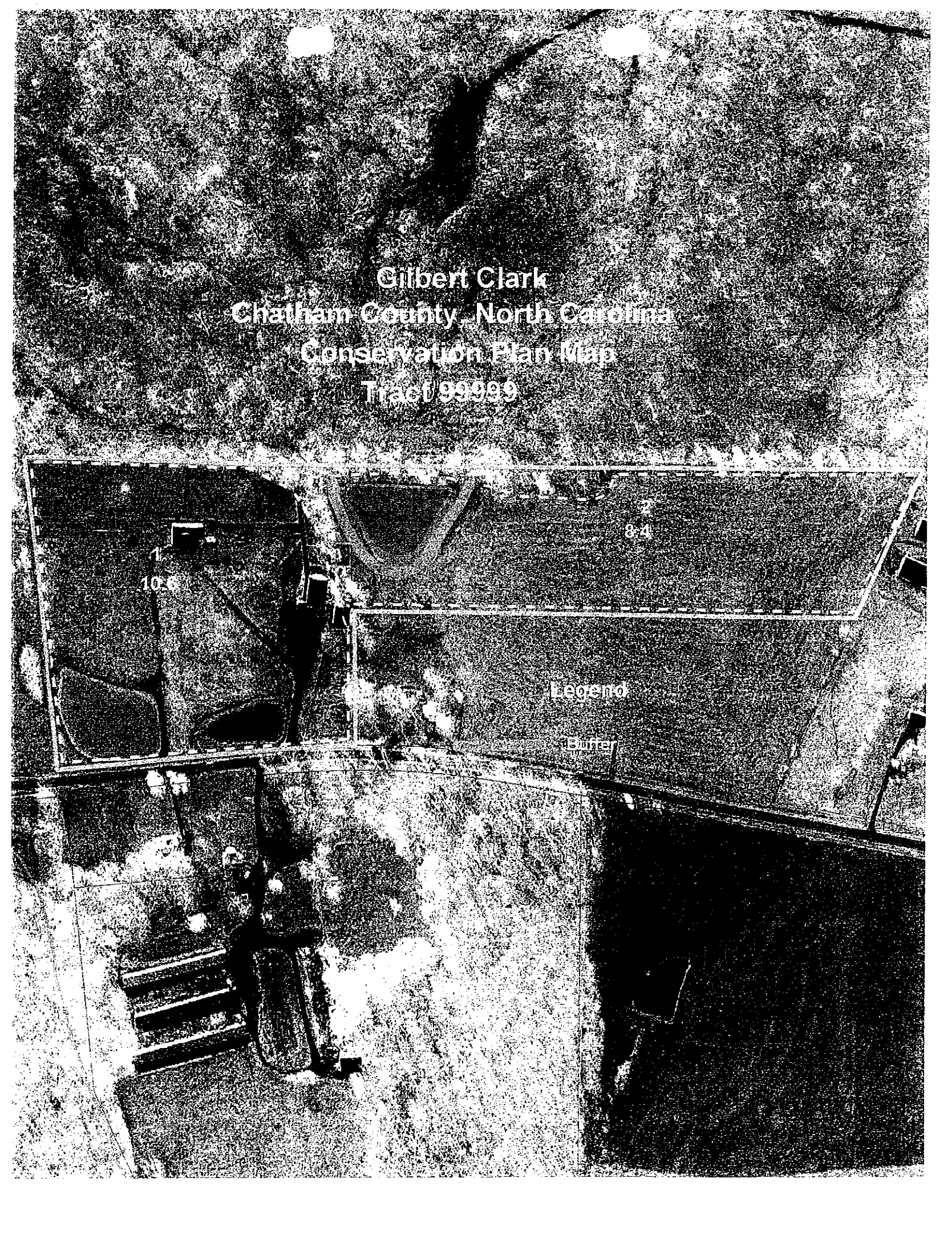
Legend

- Consplan
- Roads
- Streams
- practice_instance_point
- practice_instance_polyline
- practice_instance_polygon
- land_unit
- Water bodies
- FSA_CLU

270 0 270 540 810 1,080 Feet

N


Gilbert Clark
Chatham County, North Carolina
Conservation Plan Map
Tract 99999
1
10.6
2
8.4
Legend
Buffer


Gilbert Clark
Chatham County, North Carolina
Conservation Plan Map
Tract 99999
8.4
1
10.6
Legend
Buffer

Gilbert Clark Farm
690 Oakley Church Road
Bear Creek, North Carolina 27344
Telephone: 919-742-7463

Soil descriptions for this farm:

Soil Types:

205B – Georgeville Silt Loam 2 to 6% slopes

205C – Georgeville Silt Loam 6 to 10% slopes

205B2 – Georgeville Silty Clay Loam 2 to 6% slopes eroded

205 C2 – Georgeville Silty Clay Loam 6 to 10% slopes eroded

Soils Descriptions:

205B=Georgeville silt loam, 2 to 6 percent slopes

Typical Profile

Surface layer:
0 to 7 inches=brown silt loam
Subsoil:
7 to 10 inches=yellowish red silty clay loam
10 to 36 inches=red clay
36 to 44 inches=red clay that has strong brown mottles
44 to 53 inches=red silty clay loam that has yellow and brown mottles
Underlying material:
53 to 62 inches=red, yellow and brown saprolite that has white mottles

Soil Properties and Qualities

Depth class: Very deep
Agricultural drainage class: Well drained
Permeability: Moderate
Available water capacity: High to very high
Depth to seasonal high water table; kind: More than 60 inches
Shrink-swell potential: Low
Hazard of flooding: None
Surface runoff: Low
Hazard of water erosion: Severe
Soil reaction: Very strongly acid to strongly acid, except where the surface has been limed
Parent material: Residuum weathered from fine-grained metavolcanic rocks
Depth to bedrock: More than 60 inches

Land Use

U. S. Department of Agriculture
Natural Resources Conservation Service
Cooperating with
State Agricultural Experiment Station

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1" = 2000'
Approximate Scale

USDA - NRCS - Fort Worth, Texas

So
Chathar
Advance

Depth class: Very deep
Agricultural drainage class: Well drained
Permeability: Moderate
Available water capacity: High or very high
Depth to seasonal high water table; kind: More than 60 inches
Shrink-swell potential: Low
Hazard of flooding: None
Surface runoff: Low
Hazard of water erosion: Severe
Parent material: Residuum weathered from fine-grained metavolcanic rocks of the Carolina Slate Belt
Depth to bedrock: More than 60 inches

Land Use

Dominant uses: woodland, pasture and hayland, and cropland
Other uses: Urban development

Agriculture

Cropland
Suitability: Moderately suited
Commonly grown crops: Corn, soybeans, small grain and tobacco
Management concerns: Erodibility and soil fertility
Management measures and considerations:
Resource management systems that include contour farming, conservation tillage, crop residue management, stripcropping, and sod-based rotations help to control soil erosion and surface runoff and maximize the infiltration of water.
Applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

Pasture and hayland
Suitability: Well suited for pasture; moderately suited for hayland
Commonly grown crops: Tall fescue, orchardgrass and clover
Management concerns: Erodibility
Management measures and considerations:
Preparing seedbeds on the contour or across the slope helps to control soil erosion and increase germination.
Fencing livestock away from creeks and streams helps to prevent streambank erosion and sedimentation.
Planting adapted species helps to ensure the production of high-quality forage and minimize soil erosion.
The timely removal of livestock from pastures so that forage plants can recover before winter dormancy helps to maintain pasture and increase productivity.
Rotational grazing and a well planned clipping and harvesting schedule help to maintain pasture and increase productivity.
When establishing, maintaining, or renovating hay and pasture, applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

205B2=Georgeville silty clay loam, 2 to 6 percent slopes, moderately eroded

Typical Profile

Dominant uses: woodland, pasture and hayland, and cropland
Other uses: Urban development

Agriculture

Cropland
Suitability: Well suited
Commonly grown crops: Corn, soybeans, small grain and tobacco
Management concerns: Erodibility and soil fertility
Management measures and considerations:
Resource management systems that include contour farming, conservation tillage, crop residue management, stripcropping, and sod-based rotations help to control soil erosion and surface runoff and maximize the infiltration of water.
Applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

Pasture and hayland
Suitability: Well suited
Commonly grown crops: Tall fescue, orchardgrass and clover
Management concerns: Erodibility
Management measures and considerations:
Preparing seedbeds on the contour or across the slope helps to control soil erosion and increase germination.
Fencing livestock away from creeks and streams helps to prevent streambank erosion and sedimentation.
Planting adapted species helps to ensure the production of high-quality forage and minimize soil erosion.
The timely removal of livestock from pastures so that forage plants can recover before winter dormancy helps to maintain pasture and increase productivity.
Rotational grazing and a well planned clipping and harvesting schedule help to maintain pasture and increase productivity.
When establishing, maintaining, or renovating hay and pasture, applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

205C=Georgeville silt loam, 6 to 10 percent slopes

Typical Profile

Surface layer:
0 to 7 inches=brown silt loam
Subsoil:
7 to 10 inches=yellowish red silty clay loam
10 to 36 inches=red clay
36 to 44 inches=red clay that has strong brown mottles
44 to 53 inches=red silty clay loam that has yellow and brown mottles
Underlying material:
53 to 62 inches=red, yellow and brown saprolite that has white mottles

Soil Properties and Qualities

Planting adapted species helps to ensure the production of high-quality forage and minimize soil erosion.
When establishing, maintaining, or renovating hay and pasture, applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

205C2=Georgeville silt clay loam, 6 to 10 percent slopes, moderately eroded

Typical Profile

Surface layer:
0 to 7 inches=red silty clay loam
Subsoil:
7 to 44 inches=red clay
44 to 52 inches=red silty clay loam that has strong brown mottles
Underlying material:
52 to 62 inches=reddish yellow silt loam saprolite that has red mottles

Soil Properties and Qualities

Depth class: Very deep
Agricultural drainage class: Well drained
Permeability: Moderate
Available water capacity: High
Depth to seasonal high water table; kind: More than 60 inches
Shrink-swell potential: Low
Hazard of flooding: None
Surface runoff: Low
Hazard of water erosion: Severe
Soil reaction: Very strongly acid to strongly acid, except where the surface has been limed
Parent material: Residuum weathered from fine-grained metavolcanic rocks of the Carolina Slate Belt
Depth to bedrock: More than 60 inches

Land Use

Dominant uses: woodland, pasture and hayland, and cropland
Other uses: Urban development

Agriculture

Cropland
Suitability: Moderately suited
Commonly grown crops: Corn, soybeans, small grain and tobacco
Management concerns: Erodibility and soil fertility
Management measures and considerations:
Resource management systems including contour farming, conservation tillage, crop residue management, stripcropping, and sod-based rotations help to prevent further erosion by stabilizing the soil, controlling runoff, and maximizing water infiltration.
Applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

Surface layer:
0 to 7 inches=red silty clay loam
Subsoil:
7 to 44 inches=red clay
44 to 52 inches=red silty clay loam that has strong brown mottles
Underlying material:
52 to 62 inches=reddish yellow silt loam saprolite that has red mottles

Soil Properties and Qualities

Depth class: Very deep
Agricultural drainage class: Well drained
Permeability: Moderate
Available water capacity: High or very high
Depth to seasonal high water table; kind: More than 60 inches
Shrink-swell potential: Low
Hazard of flooding: None
Surface runoff: Low
Hazard of water erosion: Very severe
Parent material: Residuum weathered from fine-grained metavolcanic rocks of the Carolina Slate Belt
Depth to bedrock: More than 60 inches

Land Use

Dominant uses: Pasture and hayland, woodland, and cropland
Other uses: Urban development

Agriculture

Cropland
Suitability: Well suited
Commonly grown crops: Corn, soybeans, small grain and tobacco
Management concerns: Erodibility and soil fertility
Management measures and considerations:
Resource management systems including contour farming, conservation tillage, crop residue management, stripcropping, and sod-based rotations help to prevent further erosion by stabilizing the soil, controlling runoff, and maximizing water infiltration.
Applying lime and fertilizer according to recommendations based on soil tests helps to increase the availability of plant nutrients and maximize productivity.

Pasture and hayland
Suitability: Well suited
Commonly grown crops: Tall fescue, orchardgrass and clover
Management concerns: Erodibility
Management measures and considerations:
Preparing seedbeds on the contour or across the slope helps to control soil erosion and increase germination.
Fencing livestock away from creeks and streams helps to prevent streambank erosion and sedimentation.